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PEONIES OF GREECE: MYTH, SCIENCE AND ART

Revered in both Western and Eastern civilizations since earliest recorded times, the peony was "Queen of all Herbs" to the ancient Greeks and "King of all Flowers" to the Chinese. The garden flower we prize derives from one of the species of wild peonies. An exhibition on the peony illustrating the evolution of scientific documentation through the ages is on view at the National Agricultural Library (NAL) through October 31. The exhibit is on loan to NAL from the Smithsonian Institution Traveling Exhibition Service (SITES).



Illustrative panels from exhibition depicting the evolution of the peony through the ages. Dioscorides compiled, what was for 16 centuries, the most widely used encyclopedia on medicinal plants. Theophrastus (right) developed the art of plant description.

Peonies of Greece--The largest, showiest wild flower on Greek hills and mountains each spring is the peony. Now primarily the interest of horticulturists, peonies were for centuries considered invaluable medicinal plants. The Goulandris Natural History Museum at Kifissia, north of Athens, has organized an exceptional collection of lithographs, watercolors, illustrations from rare early and modern works, and historical information. By using the peony, one of Greece's most beautiful and spectacular wildflowers, the Natural History Museum has delineated the development of botanical illustration through the ages.

The museum was founded by Angelos and Niki Goulandris in 1963 as a center for research, conservation, and education. It contains zoological, palaeontological, and geological collections, exhibition galleries, a library, and a large herbarium. As the museum director, artist, and naturalist, Niki Goulandris has her country's past and future very much in mind. Her hope is that her work will influence her country to

conserve nature and give people the balance of values that Greeks had, centuries before. For Mrs. Goulandris, the heritage, beauty, and strength of her country are symbolized by the peony.

Two original watercolors painted by Mrs. Goulandris are included with the exhibit on display at NAL as well as an exquisite set of eight mounted, encased dried peonies which add a textural dimension to the artistic and historical views.

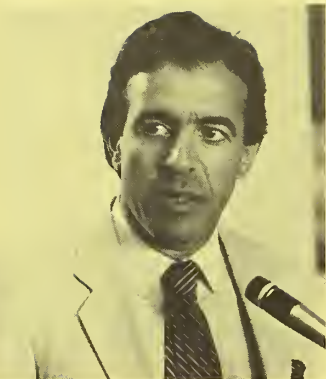
Myth—The peony, according to legend and Greek mythology, was named for Paeon, physician to the gods, who knew all the medicines. Paeon, the first to have used the peony as medicine, was said to have cured Pluto of a wound inflicted by Hercules during the Trojan war and was also credited with healing Mars of a wound with his powerful herb. These successes aroused the jealousy and envy of his teacher, Aesculapius, and so he plotted Paeon's death. When Pluto heard of the plot he saved the physician from the fate of mortals by changing him into the plant that had been used in his cure. The plant has ever since borne Paeon's name.

In prehistoric Greece many magical attributes and myths centered around the peony. It was thought to drive away devils and evil spirits where it was growing in the ground. Theophrastos, an officer in the Greek armies of Alexander the Great, sent detailed reports to Athens. In his writings Theophrastos sent word of a superstition concerning the peony: this plant 'should be dug up at night, for if a man does it in the day-time and is observed by a woodpecker he risks the loss of his eyesight.'

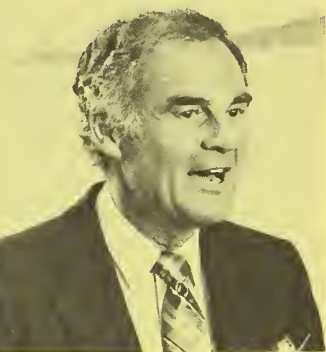
Such beliefs were perpetuated by the professional herb gatherers and survived until the 16th century, in order to guard medicinally and commercially valuable plants against undue exploitation by uninitiated persons; they testify to the early importance of the peony.

Science—The earliest known mention of peonies describes medicinal qualities, which haven't been explored by modern science. Early medicinal works describing the peony include a first-century encyclopedia on medicinal plants and a popular prescription book compiled between A.D. 200 and 400, which became in 1481 the first printed herbal. Among the uses of the bitter bulbous root were the treatment of abdominal pains, jaundice, and kidney and bladder troubles. The seeds, when drunk in mead or wine, were thought to be effective against pains of the womb, nightmares, and hysteria. The peony was also considered a remedy for lunacy and epilepsy.

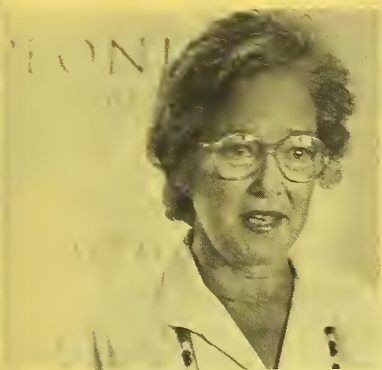
Ancient Greek philosophers such as Aristotle and Theophrastus and herbalists such as Dioscorides made notable pioneer contributions to knowledge of the natural history of Greece. After many centuries of neglect, foreign scientists visiting Greece in the 18th and 19th centuries began the study anew. Nevertheless, knowledge and understanding of the rich diverse plant and animal life of Greece still remains far from complete and in need of further investigation.



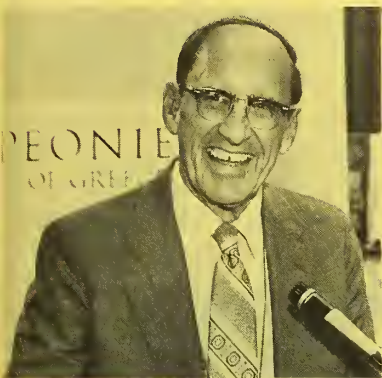
Dimitri Tsikouris, First Secretary, Embassy of Greece, officially opened the Peonies of Greece exhibition at NAL on September 5, 1985.



H. Marc Cathey, Director, U.S. National Arboretum, discussed peony varieties in the United States.



Guest Speaker and Co-host
Elizabeth C. Rae,
President, Friends of
the National Arboretum
(FONA).



President of the Asso-
ciates of the National
Agricultural Library
Wayne Rasmussen invites
guests to enjoy the
exhibit and refreshments
at the opening ceremony.

Wildflowers of Greece published in 1968 by Niki Goulandris contains 132 of her botanical paintings. They were of mostly unknown Greek plants. Her other illustrations of nearly 800 Greek plants comprise several new species for science. The museum publishes its own scientific journal Anales Musei Goulandris devoted to botanical, zoological, and palaeontological topics related to Greece and the Mediterranean.

Niki Goulandris is considered to be one of the pioneers in the search and conservation of Greek flora and fauna. Through research work done by the Goulandris Natural History Museum many new plant and animal species have been discovered and named with the specific name 'Goulandris.' The Museum has achieved a dominant position in Greece, providing both information and environmental education.

and Art—The focal point of the exhibition is a set of 12 framed lithographs from a numbered edition of Peonies of Greece originally painted by Niki Goulandris and prepared by Takis Katsoulidis. Working directly from the scientifically correct watercolor paintings of Mrs. Goulandris, Katsoulidis has developed this set of lithographs whose colors are so perfectly balanced that it is difficult to distinguish between the watercolors and the lithographs.

The peony series is not Niki Goulandris' first decorative use of her botanical art. In a design for a scarf she intertwined some of the loveliest Greek flowers in a subtle pattern that captures their natural elegance. She has also designed a series of Limoges porcelain showing examples of her favorite flowers and is working on some floral upholstery fabrics.

Drawing a lesson from her own creative experience Mrs. Gouldris believes that nature provides both a concrete image and an abstraction; that an artist's inspiration should be nature.

— Marilyn M. Jacobs
Public Affairs Specialist
National Agricultural Library

Sources:

Coates, Peter. Flowers in History. New York: Viking Press, 1970.

Klemesrud, Judy. "An Artist's Search: The Peony is Her Prize," The New York Times, 11 May 1984.

Miller, Julie Ann. "Greek Portraits of a Queen," Science News 126 (4): 56-57, July 1984.

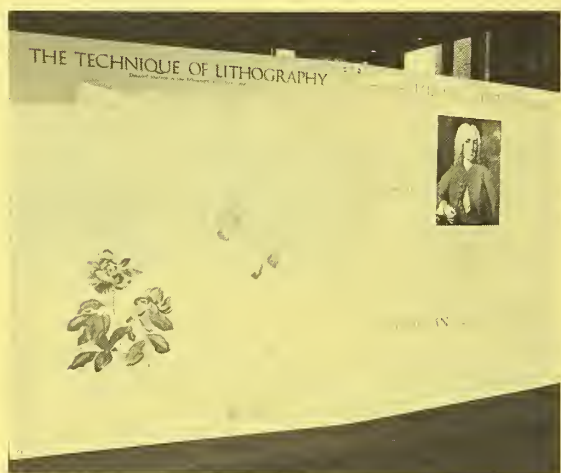
Spours, Judy. "Drawn from Nature," Connoisseur, pp. 47-49, March 1984.



Addressing the audience, Mr. Tsikouris told of the mythological significance related to the peony and reaffirmed the importance the Goulandris Museum provides to Greece in the advancement of the biological natural sciences.



Niki Goulandris, a renowned botanical artist and founder of the Goulandris Museum, is committed to the preservation of the endangered flora and fauna of Greece.



Lithographer Takis Katsoulidis worked directly from the original water color paintings of Niki Goulandris to produce only 500 registered lithographs of Peonies of Greece.



Enjoying refreshments are (l.-r.) Sam Waters, Associate Director, NAL; Dimitri Tsikouris, Embassy of Greece; Gene Farkas and Maria Pisa, Education and Information Staff, NAL. Greek delicacies such as spanakopita, tiropita, and baklava were provided by FONA and the Associates of NAL.



NAL PROJECTS AND POLICIES

EXPERIENCE LASER DISK TECHNOLOGY AT DCRC

A video laser disk system has recently been installed at the D.C. Reference Center (DCRC), Room 1052, South Building. Now end-users can access full-text information (including pictures) of the Pork Industry Handbook by means of a microcomputer and a video laser disk. If interested in hands-on experience, please contact Mary Lassanyi, Head, DCRC, (202) 447-3434.

As part of a pilot project, NAL is investigating laser disk technology for storage and dissemination of agricultural publications. The Library is also evaluating end-user acceptance of electronic retrieval of full-text information using the Pork Industry Handbook as the initial publication.

DCRC is one of four workstations throughout the nation established for this study. The other sites are: NAL, Beltsville Branch; Purdue University, West Lafayette, Indiana; and the National Pork Producer's Council in Des Moines, Iowa. Please take the time to stop by and experience this new technology! The laser disk system is user-friendly and requires no searching experience or subject background. We will be looking forward to seeing you and appreciate any comments you might have. For further information contact Debbie Hanfman, Reference Branches, Room 111, National Agricultural Library, (301) 344-3704.



BIA SERIES LIST AVAILABLE

A current listing of the U.S. Department of Agriculture series Bibliographies and Literature of Agriculture has been compiled and is available free upon request from Education and Information Staff, Room 203, Beltsville, MD 20705. Sources of supply and ordering instructions are also included.

COMTERM LINKS NAL WITH LC DATABASE

Three Comterm terminals were recently installed in the Cataloging and Serials Branches of NAL. These terminals give NAL direct access to MUMS (Multiple Use MARC System) which is the full automated database of the Library of Congress (LC). With this tool NAL staff can search all of LC's bibliographic files including, the in-process and on-order files as well as the name authority file.

MUMS can be searched using two types of commands, truncated search keys and keyword searches. Authors, titles and author/title combinations can be truncated to speed searches, since these keys make optimal use of computer time. Keywords can also be used to search any word or group of words in any field of a bibliographic or authority record. Searches can also be qualified by file or field to generate more specific responses.

As participants in the Name Authority Cooperative Project (NACO) with the Library of Congress, NAL contributes approximately 120 name authority records each month to the LC Name Authority File. Direct access to this file through Comterm allows NAL to participate more accurately and efficiently in NACO.

Access to the LC Serials File also enhances NAL's participation in the CONSER (Conversion of Serials) Project, in which the Serials Branch contributes new serial records and upgrades the cataloging of existing records in a national database. For further information contact either Pat John, Head, Cataloging Branch (301-344-3728) or Idalia Acosta, Head, Serials Branch (301-344-3806).



PESTICIDE DATA BASE AVAILABLE THROUGH LIBRARY

Accurate up-to-date pesticide-related information on product registrations, formulations, and applications is now available to U.S. Department of Agriculture (USDA) personnel through the National Agricultural Library (NAL) based on its newly acquired access to the National Pesticide Information Retrieval System (NPIRS).

NPIRS is a computer data base resource containing information that describes the key characteristics of pesticides. Included in the data base are the approximately 50,000 products registered by the U.S. Environmental Protection Agency (EPA) as well as thousands of state registrations that have been submitted to NPIRS by weekly updating its data in a form usable by the system.

The Library is offering this service in the form of online searching of the data base for specific information provided on request by NAL reference librarians. Department personnel should contact Charles Bebee, (301) 344-4077, for such service.

NPIRS was developed at Purdue University through a cooperative agreement with the USDA.



USDA Meat and Poultry Hotline--
Dial toll-free (800) 535-4555 to get food and safety tips for meat and poultry products and to report problems experienced with such products. In the Washington Metro Area dial (202) 447-3333.

BEATY PAPERS DOCUMENT HISTORY OF FARM RADIO AND TELEVISION BROADCASTING

The National Agricultural Library (NAL) announces the publication of The Papers of Layne R. Beaty: A Register of His Papers in the National Agricultural Library. The Layne R. Beaty Manuscript Collection centers on the history of farm radio and television broadcasting in the United States and especially on the origins and development of the National Farm and Home Hour, the most popular radio program of all time in this country.

The National Farm and Home Hour was aired over the National Broadcasting Company (NBC) from 1928 to 1960, and was cosponsored by the U.S. Department of Agriculture and NBC as a public service program for farmers and homemakers. The collection also contains a small number of documents relating to the Voice of America and Clear Channel Broadcasting.

The collection consists of photographs, correspondence; reports; surveys, newspapers clippings; magazine articles, farm radio and television station promotional literature; annual directories, reports, and yearbooks; annual convention literature; and professional newsletters—all relating to farm radio and television broadcasting and/or to The National Farm and Home Hour.

The papers of Layne R. Beaty, Chief of the U.S. Department of Agriculture's Radio and Television Service from 1954 to 1980, were given to NAL in 1982 by Mr. Beaty.

The publication is Number 33 in the Bibliographies and Literature of Agriculture (BLA) series of the U.S. Department of Agriculture. Copies are available for purchase from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161. Telephone: (703) 497-4780. Report No.: PB85-245744. Cost: \$11.95 (paper copy) and \$5.95 (microfiche).



GLEANINGS ON MELVIL DEWEY'S INTEREST IN AGRICULTURAL LIBRARIANSHIP

(NOTE: NAL Director Joseph H. Howard was presented the 1985 Melvil Dewey Medal by the American Library Association. Dewey's largely unrecognized interest and involvement in agricultural librarianship is contained in the following historical account.)

By 1893, the winds of change and internal improvement of the Department of Agriculture's Library were at hand. Shortly after Julius Sterling Morton assumed his duties as the third Secretary of Agriculture, he apparently examined the existing operations of the Library.

On March 28, 1893, Secretary Morton wrote to Colonel William Lowdermilk, a well known book dealer in Washington, D.C., asking him for a written opinion as to the cost of undertaking a monetary appraisal and inventory of the Department Library's holdings as well as an estimated cost of preparing an outstanding catalogue. In cooperation with the Civil Service Commission, Secretary Morton also made plans for a meeting to be held at Colonel Lowdermilk's home for the purpose of preparing the first Civil Service examination for applicants for the position of Librarian of the Department. On June 17, 1893, Secretary Morton, definitely intending to improve the operations of the Department Library, wrote a letter to the renowned Melvil Dewey, then director of the New York State Library and secretary of the State University of New York, in which he said, "the Library of the Department ...(should) be put into the hands of a most thorough and competent librarian." Dewey was the architect of the Dewey Decimal System of Classification and a major force behind the development of library science in the United States.

Morton, in his letter, asked Dewey to prepare some appropriate questions which the Civil Service Commission could administer to the numerous

applicants for the posted library position. On July 11, the examination for librarian of the Department of Agriculture was administered and evaluated on the following subjects: Orthography; penmanship; letter writing; elements of the English language; arithmetic; modern language; library economy; bibliography, literature of agriculture.

After examinations were given to about 30 applicants, only William P. Cutter, a graduate of Cornell University and then member of the faculty of Utah Agricultural College, was certified as eligible for appointment.

A nephew of the famous Charles A. Cutter, William and his newly appointed assistant Josephine Clark, former bibliographer in the Botany Division and graduate of the New York State Library School, began the challenging task of reorganization and improvement in services. Under the leadership of William P. Cutter there was to be one library system with a main library and its branches in the bureaus, divisions, and offices with emphasis on cooperation and continuity within the Department. By 1897, Cutter could see a strong relationship between the Library services for the nearly 59,000 volume collection and the welfare of the farming community. The information acquired and stored in the Library reached out to the farmer indirectly.

"Through its relationship with the agricultural experiment stations and colleges" Cutter said, "the Library is attempting to be of assistance to those workers in agricultural science who are located nearer to the farmer and are thus familiar with his interests." By the close of the century, the Department Library contained about 68,000 volumes of which 75 percent dealt specifically with agricultural matters.

In 1908, Melvil Dewey, then President of the American Library Institute, in an address delivered at the University of Vermont, articulated what could be interpreted as his view of the role of the agricultural librarian in serving the user: "books can perform their great mission only when they are put in the hands of those

who need them and the chief function of a successful librarian is to let people know they can borrow or buy the books that will help them most."

In his address, Dewey also praised exhibit efforts in promoting interest in forestry; in particular, he commended to his audience the remarkable book by Romeyn B. Hough, naturalist, entitled, Handbook of Trees of Northern States and Canada containing photographic and textual descriptions of 208 kinds of trees.

From the first librarian on the Department roster (Aaron Burt Gosh, 1867-69), to the present director Joseph Howard, the mission has remained--to acquire, preserve, and disseminate information on agriculture and related subjects. And Melvil Dewey, through his leadership in the development of library science and his interest in standards for agricultural librarianship, provided a lasting legacy upon which we may continue to serve those in need of agricultural information.

--Alan Fusonie
Head, Special Collections
National Agricultural Library



Dr. Alan Fusonie (r.), Head of Special Collections, presents Joseph Howard (c.), Director, with photo portrait of William P. Cutter, first librarian to be appointed under the Civil Service and a recently donated Melvil Dewey letter at a reception in honor of his receiving the Melvil Dewey Medal. Dr. Orville Bentley (l.), Asst. Secretary, Science & Education, looks on.



SURPLUS PUBLICATIONS AVAILABLE

The following publications are surplus to the needs of the National Agricultural Library's collection. They will be made available to any interested organization that regularly sends free publications to NAL. This includes most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material.

If interested, please write to: National Agricultural Library, USDA, Attn: Collection Development, Room 204, Beltsville, MD 20705, or call Leslie Kulp, (301) 344-1562.

1. Annual Review of Biochemistry - v. 29, 1960 - v. 41, 1972.
2. Canadian Journal of Zoology - v. 38, 1960 - v. 59, 1981 (mostly bound, few issues missing).
3. Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences. Series A, B, C, and D - v. 201, 1935 - v. 278, 1974 (mostly bound; few issues missing).
4. Helvetica Chimica Acta - v. 1, 1918 - v. 32, 1949 (bound except v. 26 and 31 incomplete).
5. Monatshefte fur Chemie - v. 76, 1946 - v. 102, 1971 (bound).
6. Proceedings of the Royal Society of London. Series A. Mathematical and Physical Sciences v. 76, 1905 - v. 198, 1949 (bound except v. 91 and 181 incomplete).
7. Proceedings of the Society for Experimental Biology and Medicine - v. 70, 1949 - v. 138, 1971 (bound; scattered earlier volumes also available).
8. Proceedings of the Tall Timbers Fire Ecology Conference - no. 2, 1963 - no. 14, 1976.



QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL reference staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. All titles in this series will be listed for 6 months. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requesters may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Branches, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--85-15. SMALL FARMS AND FARMING IN THE U.S., 1982-84. 193 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. June 1985.


NAL--Q.B.--85-16. LEUCAENA: TREE OF MANY USES, JUNE 1982-DECEMBER 1984. 198 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. June 1985.

NAL--Q.B.--85-17. HERBICIDES: ECOLOGICAL EFFECTS, JANUARY 1983-DECEMBER 1984. 95 citations from AGRICOLA. Languages none excluded. Searched by Jayne T. MacLean. June 1985.

NAL--Q.B.--85-26. POISONOUS PLANTS, 1970-84. 263 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. June 1985.

NAL--Q.B.--85-27. MEDICAL BOTANY AND HERBAL MEDICINE. 270 citations from AGRICOLA. Languages none excluded. Searched by Jayne T. MacLean. July 1985.

NAL--Q.B.--85-28. U.S.-CANADA; AGRICULTURAL MARKET RELATIONS, 1970-85. 172 citations from AGRICOLA. English only. Searched by Mary E. Lassanyi. August 1985.


NAL--Q.B.--85-29. U.S.-MEXICAN TRADE AND MARKET RELATIONS, 1970-85. 136 citations from AGRICOLA. Languages none excluded. Searched by Mary E. Lassanyi. August 1985. 

CAB ANNOUNCES FALL ONLINE WORKSHOPS

The Commonwealth Agricultural Bureaux is scheduling the following online workshops for October and November:

- October 23 University of Guelph, Canada
- October 28 DIALOG, Cambridge, MA
- October 29 Pennsylvania State University, University Park, PA
- October 30 National Agricultural Library, Beltsville, MD
- October 31 National Agricultural Library, Beltsville, MD
- November 1 Kansas State University, Manhattan, KS

All workshops will be free-of-charge and run from 9 a.m. to 4 p.m. They will cover all aspects of the CAB ABSTRACTS data base with particular emphasis on practical online searching techniques. Free "hands on" time will be provided. Participants will receive workshop notes.

For more information contact:
Barbara Hutchinson
CAB North America
Office of Arid Lands Studies
University of Arizona
845 North Park Avenue, #103
Tucson, AZ 85719
(602) 621-7897
TOLL FREE (800) 528-4841 



NEW PUBLICATIONS OF NOTE

*THE AFRICANIZED HONEY BEE IN THE UNITED STATES. WHAT WILL HAPPEN TO THE U.S. BEEKEEPING INDUSTRY? Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1984. 33 p. (Agr. Economic Rept. No. 519). \$2.25. S/N 001-019-00356.1.

***COOPERATIVE COLLECTION DEVELOPMENT. SPEC Kit No. 111. Contains documents illustrating cooperative activities. February 1985. 95 p. \$20.00.

**CROPLAND RENTAL AND SOIL CONSERVATION IN THE UNITED STATES. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. March 1985. 20 p. (Agr. Economic Rpt. No. 529). \$7.00. PB85-190973/XAB.

ENDANGERED PLANT SPECIES OF THE WORLD AND THEIR ENDANGERED HABITATS: A COMPILATION OF THE LITERATURE. Council on Botanical and Horticultural Libraries Plant Bibliography No. 6. 1985. \$5.00. Order from The Library, New York Botanical Garden, Bronx, NY 10458-5126. Tel.: (212) 220-8700.

**EVALUATION OF SATELLITE DERIVED ESTIMATES OF SOLAR RADIATION. Washington, D.C., U.S. Department of Agriculture and National Aeronautics and Space Administration. December 1984. 50 p. \$8.50. PB85-24507/4/XAB.

THE FRESHWATER AQUACULTURE BOOK: A HANDBOOK FOR SMALL SCALE FISH CULTURE IN NORTH AMERICA. William McLarney. 1985. 600 p. \$40.00. Order from Harley & Marks, P.O. Box 147, Point Roberts, WA 98281.

***A GUIDEBOOK FOR SHELF INVENTORY PROCEDURES IN ACADEMIC LIBRARIES. Clifford H. Haka and Nancy Stevens. Paper No. 10. July 1985. 24 p. \$15.00.

*LIBRARY AND INFORMATION SERVICES IN A LEARNING SOCIETY (1983-84 Annual Report). Washington, D.C., National Commission on Libraries and Information Science. 1985. 93 p. \$5.00. S/N 052-003-00991-9.

**PLOT PLANTER FOR SMALL-SEEDED VEGETABLES. Beltsville, MD, U.S. Department of Agriculture, Agricultural Research Service. February 1985. 10 p. (ARS No. 17). \$7.00. PB85-187664/XAB.

THE SALAD GARDEN. Elizabeth Arter. September 1985. 187 p. \$12.95. Order from International Specialized Book Services, P.O. Box 1632, Beaverton, OR 97075. Tel.: (800) 547-7734.

**SELECTED FORAGE VALUES OF UNDERSTORY PLANTS IN THINNED COVE HARDWOODS ON THREE SITES. Asheville, NC, U.S. Department of Agriculture, Southeastern Forest Experiment Station. February 1985. 9 p. (FSRN/SE No. 328). \$7.00. PB85-183077/XAB.

**WORKING ARRANGEMENTS OF FRUIT AND VEGETABLE PROCESSING COOPERATIVES. Washington, D.C., U.S. Department of Agriculture, Agricultural Cooperative Service. October 1984. 23 p. (ACS/RR No. 36). \$7.00. PB85-183895/XAB.

*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Tel: (202) 783-3238.

**Order from National Technical Information Service, Identification Section, 5285 Port Royal Road, Springfield, VA 22161. Tel: (703) 487-4780. All titles listed are available in microfiche for \$4.50 each.

***Order from Office of Management Studies, Association of Research Libraries, 1527 New Hampshire Ave., N.W., Washington, D.C. 20036. Tel.: (202) 232-8656. (Outside the U.S. and Canada, add \$5.00 for parcel post shipping. Prepaid Only. Libraries that are members of ARL receive SPEC kits for \$10.00).





NEW SERIALS RECEIVED AT NAL

AGRIBUSINESS: AN INTERNATIONAL JOURNAL. New York, NY, John Wiley & Sons. q. Vol. 1, no. 1 (Spring 1985)-
HD1401.A56

AGRI-NATURALIST. Columbus, OH, Ohio State University. 6/yr. Issue 1 (Autumn 1984)-
6 Ag84

BEGINNER'S GARDENING. Karachi, Pakistan, Rabat Hague. q. Vol. 1, no. 1 (May/Aug. 1984)-
SB451.36.P32B42


BIOGEOCHEMISTRY: AN INTERNATIONAL JOURNAL. Dordrecht, The Netherlands, M. Nijhoff/W.Junk Publishers. 4/yr. Vol. 1, no. 1 (1984)-
QH345.B564

CONCEPTS IN TOXICOLOGY. New York, NY, Karger. irr. Vol. 1 (1984)-
RA1190.C66

FARM BUILDING AND ENGINEERING: JOURNAL OF THE FARM BUILDINGS INFORMATION CENTRE AND THE FARM BUILDINGS ASSOCIATION. Stoneleigh, Warwickshire, The Association. 4/yr. Vol. 1, no. 1 (1984)-
TH4911.F37

INTERNATIONAL QUARTERLY OF ENTOMOLOGY. Izmir, Turkey, Genel Basin Ltd. q. Vol. 1, no. 1 (Jan. 1985)-
QL461.I67

NURSERY MANAGER. Fort Worth, TX, Branch-Smith Pub. m. Vol. 1, no. 1 (Jan. 1985)-
SB1.N86

SOIL USE AND MANAGEMENT. Oxford, England. British Society of Soil Science, Blackwell Scientific Publications. q. Vol. 1, no. 1 (Mar. 1985)-




AGRICULTURE DATEBOOK

October 4-10: 28TH ANNUAL ENVIRONMENTAL MANAGEMENT ASSOCIATION NATIONAL EDUCATIONAL CONFERENCE AND EXPOSITION. Holiday Inn Surfside Conference Center, Clearwater, FL. Contact: EMA, 1019 Highland Ave., Largo, FL 33540.

October 7-9: INTERNATIONAL SYMPOSIUM ON BIOTECHNOLOGY IN THE FOOD PROCESSING INDUSTRY. University Radisson Hotel, Minneapolis, MN. Contact: Lynette Marten, Office of Special Programs, University of Minnesota, 1334 Eckles Ave., St. Paul, MN 55108. Tel.: (612) 373-0725.

October 7-9: UPDATE IN MOLECULAR BIOLOGY 1985. "Genes and Systems in Development." Sheraton-Palace Hotel, San Francisco, CA. Contact: NATURE Publishing Co., 65 Bleecker St., New York, NY 10012. Tel: (212) 477-9600.

October 8-10: NATIONAL SYMPOSIUM FOR INTEGRATED PEST MANAGEMENT. National Academy of Sciences, Washington, D.C. Contact: Ray E. Frisbie, CIPM Coordinator, Department of Entomology, Texas A&M University, College Station, TX 77843. Tel.: (409) 845-4410.

October 14-15: INTERNATIONAL AGRIBUSINESS DEVELOPMENT FORUM. Maui Inter-Continental Hotel, Wailea, Maui, Hawaii. Contact: American Society of Agricultural Consultants, Enterprise Center, 8301 Greensboro Drive, Suite 470, McLean, VA 22102.

October 16-18: AMERICAN SOCIETY OF AGRICULTURAL CONSULTANTS ANNUAL MEETING. Maui Inter-Continental Hotel, Wailea, Maui, Hawaii. Contact: ASAC, Enterprise Center, 8301 Greensboro Drive, Suite 470, McLean, VA 22102.

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October 20-25: 48TH ANNUAL MEETING OF
THE AMERICAN SOCIETY FOR INFORMATION
SCIENCE (ASIS). MGM Grand Hotel, Las
Vegas, NV. Contact: ASIS, 1010
Sixteenth St., N.W., Washington, D.C.
20036. Tel: (202) 659-3644.

October 24-25: FOOD SCIENCE SYMPOSIUM
VI: ASSURING MEAT WHOLESOMENESS - THE
RESIDUE AVOIDANCE ISSUE. Kansas State
University, Manhattan, KS. Contact:
Karen Penner, Kansas State University.
Tel.: (913) 532-5773.

October 27-29: THE AMERICAN
AGRICULTURAL EDITORS ASSOCIATION ANNUAL
MEETING. McCormick Hotel, Chicago, IL.
Contact: Paul S. Weller,
Agri/Washington. Tel.: (202)
745-1994.

October 27-31: 99TH ANNUAL ASSOCIATION
OF OFFICIAL ANALYTICAL CHEMISTS
INTERNATIONAL MEETING. Washington,

D.C., Shoreham Hotel. Contact:
Margaret Ridgell, AOAC, 111 N. 19th
Street, Suite 210, Arlington, VA
22209.

November 4-6: NATIONAL CONFERENCE OF
THE NATIONAL ASSOCIATION OF GOVERNMENT
COMMUNICATORS. Loew's L'Enfant Plaza,
Washington, D.C. "Communicating the
Right Message." Contact: NAGC, 80 S.
Early Street, Alexandria, VA 22304.
Tel.: (703) 823-4821.



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